

MATERIAL SAFETY DATA SHEET

Product Name: **ANTRACOL FUNGICIDE SPRAY**
A09209



Effective August 1, 2002

Statement of Hazardous Nature

Not classified as hazardous according to criteria of the National Occupational Health and Safety Commission

COMPANY DETAILS:

Company: Bayer CropScience Pty Ltd ABN 87 000 226 022
Address: 391 - 393 Tooronga Road, East Hawthorn
Victoria 3123 Australia
Telephone/Facsimile: (03) 9248 6888/(03) 9248 6800
Website Address: www.bayercropscience.com.au
Emergency Telephone Number: 1800 033 111 – Orica SH&E Shared Services

Identification

Product Name **ANTRACOL FUNGICIDE SPRAY**

Issued	August 1, 2002	Supersedes	01/04/1998		
UN No.	None	Hazardous?	No	Hazchem	None
DG Class	None	Poison Schedule	S6	Product Code	67427
Sub Risk	None	Package Group	None	EPG	None

Uses

Agricultural fungicide for the control of diseases as specified on the product label.

Application Methods

Product Descriptor: ANTRACOL 700 WP
Proper Shipping Name: none
Chemical Characterisation: 700 g/kg zincpropylene bis (dithiocarbamate)
Chemical Group: dithiocarbamate

Physical Description/Properties

Form: wettable powder
Colour: white
Odour: weak characteristic odour
Change in Physical State: melting point (degrees C): 150-160 (active)
boiling point (degrees C): not applicable
Density (kg/litre): not available
Solubility in Water: dispersible
pH Value (10% in water): 6.0 - 8.0
Flash Point (closed cup): not applicable.

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Ingredients

Ingredient	CAS Nr	Proportion
Propineb	12071-83-9	700 g/kg
Clay		Med

Proportion (% weight/weight): Med = 10-29%

Health Hazard Information

Health Effects

No adverse health effects are expected if this product is used in accordance with the label. Alcohol greatly increases the toxicity of this product. Do not consume alcohol on the day of use. Repeated exposure may cause allergic disorders. May irritate the eyes.

Chronic: Animal studies have shown no evidence of oncogenic effect, no evidence of carcinogenic effects and no teratogenic potential.

First Aid

If poisoning occurs contact a doctor or Poisons Information Centre (telephone 13 11 26).

Swallowed

Avoid giving alcohol.

Skin

Immediately wash contaminated area with soap and water.

Eye

If product in eyes, flood with water for 15 minutes.

Inhaled

Remove patient to fresh air. Keep rested and warm.

Advice to Doctor

Apply basic aid and decontamination procedures. Treat symptomatically.

Antidote: none known

Precautions for Use

Exposure Standards

NOHSC exposure standards have not been assigned for the active ingredient nor the excipients in the formulation.

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Engineering Controls

Not applicable.

Personal Protection

Personal Protective Measures:

Avoid contact with eyes, skin and clothing during mixing/pouring operations. Ensure adequate ventilation. Do not inhale spray mist or vapour.

Personal Protective Equipment:

When handling concentrate and preparing spray wear overalls, boots, elbow-length PVC gloves, and half face respirator with dust cartridge.

Industrial Hygiene:

If clothing becomes contaminated with product or wet with spray, remove clothing immediately. If product or spray on skin, immediately wash the area with soap and water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use wash contaminated clothing, gloves etc. with detergent and water.

Flammability

Protection Against Fire:

Product is stable. Avoid strong oxidising agents, keep away from sources of ignition. Not flammable under normal conditions of use.

Safe Handling Information

Storage

Keep out of reach of children. Store in the tightly closed original container in a dry, well ventilated area, as cool as possible. Do not store for prolonged periods in direct sunlight. Do not store near any material intended for use or consumption by humans or animals.

Transport

Classification according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code)

Shipping name: None

Packing group: None UN No: None

DG Class: None Sub Risk: None Hazchem: None

Dangerous Goods / Hazardous Substances Regulation

This product is subject to the following regulations:

Standard for the Uniform Scheduling of Drugs and Poisons

Spills

Prevent spill from spreading or entering waterways or drains. Vacuum or sweep up spilt material. Fill material along with any contaminated soil etc. into containers. Clean affected area with an aqueous detergent and a small amount of water. Absorb this with hydrated lime and place in a

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sealable drum. On completion of clean-up remove and wash all protective clothing and equipment with detergent and water. Any heavily contaminated clothing should be placed in a plastic garbage bag and placed in a sealable drum. Do not smoke, eat or drink during the clean-up operation.

Disposal

1) After intended use:

Completely empty bag into pre-mix bucket. Single rinse before disposal. Add rinsings to the spray tank. Do not dispose of undiluted chemical on site. Puncture and bury empty container in a local landfill (check statutory requirements). If not available, bury the container below 500 mm in a marked disposal pit specifically set up for this purpose, clear of waterways, vegetation and roots. Empty container and product should not be burnt.

2) After spill or accident:

Dispose of sealed containers at an approved local waste disposal site.

Fire/Explosion Hazard

Dangerous Decomposition or Combustion Products:

Thermal Decomposition:

Hazardous polymerisation will not occur.

Hazardous Decomposition Products:

If involved in a fire, oxides of nitrogen and sulphur should be expected.

Hazardous Reactions: none

Extinguishing Media: water fog or foam

Further Information:

Special firefighting procedures: Wear full protective clothing and self-contained breathing apparatus.

Other Information

Information on Toxicity

LD₅₀ oral (ingestion) - rat: 8500 mg/kg (Bayer) i.e. practically non-toxic

LD₅₀ dermal (skin contact) - rat: > 5000 mg/kg (Bayer) i.e. practically non-toxic

Primary eye irritation - rabbit: weak conjunctival irritant (Bayer)

Inhalation: prolonged inhalation of spray mist may produce respiratory irritation

Information on Ecological Effects

Do NOT contaminate ponds, waterways and drains with this product or used container.

DISCLAIMER

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.